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APPLICATION 1	٧٥.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/648,256	<u> </u>	08/27/2003	Yoshihiro Nonaka	8031-1028	5218	
466	7590	07/20/2006		EXAMINER		
YOUNG	3 & THOM	IPSON		NADA	V, ORI	
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2ND FLO	OOR		ART UNIT	PAPER NUMBER		
ARLING	TON, VA	22202	2811			
				DATE MAIL ED. 07/20/2004	DATE MAILED: 07/20/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)		
		10/648,256	NONAKA, YOSHIHIRO		
	Office Action Summary	Examiner	Art Unit		
		Ori Nadav	2811		
Period fo	The MAILING DATE of this communication app r Reply	ears on the cover sheet with the c	orrespondence address		
WHIC - Exten after: - If NO - Failur Any re	DRTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DA sions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing d patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONED	l. ely filed he mailing date of this communication. 0 (35 U.S.C. § 133).		
Status					
2a) ☐ 3) ☐	Responsive to communication(s) filed on <u>15 Ma</u> This action is <b>FINAL</b> . 2b) This Since this application is in condition for allowan closed in accordance with the practice under Ex	action is non-final. ce except for formal matters, pro			
Disposition	on of Claims				
5)□ 6)⊠ 7)□	Claim(s) 2-5,8,16-23,31 and 32 is/are pending in the above claim(s) 5,8 and 16-23 is/are we claim(s) is/are allowed.  Claim(s) 2-4,31 and 32 is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or	vithdrawn from consideration.			
Application	on Papers				
10) 🔲 🗆	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the d Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Example.	pted or b) objected to by the E rawing(s) be held in abeyance. See on is required if the drawing(s) is obje	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).		
Priority u	nder 35 U.S.C. § 119				
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachment	(s)				
2) Notice 3) Inform	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	4) Interview Summary ( Paper No(s)/Mail Dat 5) Notice of Informal Pa 6) Other:	e		

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2, 4 and 31-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Aoki et al. (6,99,516) or Wirth et al. (5,270,657) in view of Applicant Admitted Prior Art (AAPA).

Regarding claims 2 and 31-32, Aoki et al. teach in figures 6 and 12 and related text a semiconductor integrated circuit comprising:

at least four power supply lines V1-V4; and

at least two transistors Q1-Q3 for switching between said at least four power supply lines,

wherein the first, second and third power supply lines of said at least four power supply lines are arranged side by side in said order,

and said at least two transistors include first and second transistors respectively placed in the gap between said first and second power supply lines and a gap between said second and third power supply lines, said first and second transistors are formed on the opposite sides of said second power supply line:

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wherein at least one of said power supply lines extends straight to be connected to an external connection terminal.

Aoki et al. do not teach using the transistors as thin-film transistors formed on an insulation substrate other than a glass substrate or a semiconductor substrate, and wherein said first transistor switches between said first and second power supply lines and said second transistor switches between said second and third power supply lines.

Regarding claims 2 and 31-32, Wirth et al. teach in figure 13 and related text a semiconductor integrated circuit comprising:

at least four power supply lines 151-154; and

at least two transistors for switching between said at least four power supply lines,

wherein the first, second and third power supply lines of said at least four power supply lines are arranged side by side in said order,

and said at least two transistors include first and second transistors respectively placed in the gap between said first and second power supply lines and a gap between said second and third power supply lines, said first and second transistors are formed on the opposite sides of said second power supply line, and

wherein said first transistor switches between said first and second power supply lines and said second transistor switches between said second and third power supply lines, and

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wherein at least one of said power supply lines extends straight to be connected to an external connection terminal.

Wirth et al. do not teach using the transistors as thin-film transistors formed on an insulation substrate other than a glass substrate or a semiconductor substrate. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to use the transistors as thin-film transistors formed on an insulation substrate other than a glass substrate or a semiconductor substrate, and wherein said first transistor switches between said first and second power supply lines and said second transistor switches between said second and third power supply lines, in the device of Aoki et al. or Wirth et al., in order to use the device in an application which requires thin-film transistors formed on an insulation substrate other than a glass substrate or a semiconductor substrate, wherein said first transistor switches between said first and second power supply lines and said second transistor switches between said second and third power supply lines.

Regarding the claimed limitations of first and second transistors respectively placed in the gap between said first and second power supply lines and a gap between said second and third power supply lines, said first and second transistors are formed on the opposite sides of said second power supply line, although Aoki et al. or Wirth et al. do not explicitly state that the first and second transistors respectively placed in the gap between said first and second power supply lines and a gap between said second and third power supply lines, said first and second transistors are formed on the opposite

sides of said second power supply line, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to place first and second transistors respectively in the gap between said first and second power supply lines and a gap between said second and third power supply lines, and said first and second transistors on the opposite sides of said second power supply line, in the device of Aoki et al. or Wirth et al., in order to follow the illustrations depicted in the corresponding drawings.

Regarding claim 4, AAPA teaches in figure 34 that the area occupied by all of said power supply lines is larger than the area occupied by all of the regions between said power supply lines. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to use the area occupied by all of said power supply lines larger than the area occupied by all of the regions between said power supply lines in prior art's device in order to reduce the size of the device.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Aoki et al., Wirth et al. and AAPA, as applied to claim 31 above, and further in view of Fujii et al. (6,707,139).

Aoki et al., Wirth et al. and AAPA teach substantially the entire claimed structure, as applied to claim 1 above, except a mutual connection line for connecting together some of said power supply lines having equal potentials, wherein the mutual connection line is

not connected to any of said power supply lines other than those having equal potentials.

Fujii et al. teach in figure 8 and related text a mutual connection line for connecting together some of said power supply lines having equal potentials, wherein the mutual connection line is not connected to any of said power supply lines other than those having equal potentials.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to use a mutual connection line for connecting together some of said power supply lines having equal potentials, wherein the mutual connection line is not connected to any of said power supply lines other than those having equal potentials, in the device of Aoki et al., Wirth et al. and AAPA, in order to use the device in an application which requires power supply lines of equal potentials.

## Response to Arguments

Applicant's arguments with respect to claims 2-4 and 31-32 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ori Nadav whose telephone number is 571-272-1660. The examiner can normally be reached between the hours of 7 AM to 4 PM (Eastern Standard Time) Monday through Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on 571-272-1732. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

O.N. 7/16/06 ORI NADAV
PRIMARY EXAMINER
TECHNOLOGY CENTER 2800

The Man